GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:847
ANSWERED ON:04.03.2005
MODERNIZATION OF NTPC POWER PLANTS
Rathod Shri Harisingh Nasaru

Will the Minister of POWER be pleased to state:

(a) whether the NTPC propose to renovate and modernize the decaying power plants in the country;

(b) if so, the details thereof, State-wise; and

(c) the other steps taken/proposed to be taken by the Government for the revamping power plants in the country particularly in Maharashtra?

Answer

THE MINISTER OF POWER (SHRI P.M. SAYEED)

(a) & (b) : NTPC has undertaken Renovation and Modernization (R&M) activities for its own power plants and also providing consultancy services for R&M to the other power plants under Accelerated Power Development and Reforms Programme (APDRP), which can be broadly categorized under three heads:

(i) State-wise and Station-wise details of R&M for power stations implemented by NTPC,

(ii) R&M of power stations taken over from State Electricity Boards (SEBs) by NTPC,

(iii) Consultancy assignments under Accelerated Power Development and Reforms Programme (APDRP-R&M) for SEB stations.

(i) State-wise and Station-wise details of R&M for power stations implemented by NTPC are as under:

Station	State	Capacity under R&M (MW)
Singrauli	Uttar Pradesh	2000
Korba	Chhattisgarh	2100
Ramagundam	Andhra Pradesh	2100
Vindhyachal Stage-I	Madhya Pradesh	1260
Farakka Stage-I	West Bengal	600
Anta Gas	Rajasthan	413

(ii) R&M undertaken by NTPC in its power stations acquired from SEBs, as per details given below:

Station	State	Capacity under R&M (MW)
Tanda	Uttar Pradesh	440
Talcher Thermal	Orissa	460

(iii) NTPC is rendering consultancy services for R&M to the following stations under APDRP scheme of the Ministry of Power:

1. Damodar Valley Corporation (DVC)`s Chandrapura TPS (3x140 MW + 3x120 MW), Jharkhand.

2. DVC`s Durgapur TPS (1x140 MW), West Bengal

3. Gandhinagar TPS (2x120 MW) of Gujarat Electricity Board, Gujarat

(c) : Central Electricity Authority (CEA) / Ministry of Power in consultation with SEBs / Utilities has identified 106 old thermal units for revamping i.e. Life Extension (LE) works during the 10th plan period, with a total capacity of about 10413 MW at an estimated cost of Rs.9,200 crores. After implementation of Life Extension (LE) schemes, the economical operating life of the units will get extended by another 15- 20 years and the generating capacity of these units is expected to increase from 10413 MW to 10747 MW besides the overall improvement in the performance of the units. Out of 106 units identified for LE works, 10 units of 5 thermal power stations of Maharashtra are planned to be completed during 10th Plan period, the details of these units are in Annexure-I.

In addition, 57 thermal units (14270 MW) which are comparatively new and are performing well, have also been identified for Renovation & Modernization (R&M) works at an estimated cost of Rs.977 crores to sustain their performance. Out of 57 units identified for R&M works, 19 units of 6 thermal power stations of Maharashtra are planned to be completed during 10th plan period, the details are given in Annexure-I.

A total of 62 schemes of existing hydroelectric power projects (11 in Central Sector and 51 in State Sector) have also been identified for Renovation during the 10th plan period. Out of 62 schemes hydroelectric power projects identified, 7 schemes of hydroelectric power projects are in Maharashtra as detailed in Annexure-II.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO.847 TO BE ANSWERED IN THE LOK SABHA ON 04.03.2005.

Sl. No.	Name of the Station	Unit No.	Year of Commissioning	Present Rated Capacity (MW)	Capacity after LEP/ R&M (MW)	Estimated Expected Cost (Rs. in Crore)	Remarks
	LIFE EXTENSION WORKS						
1.	Nasik	1	1970	140	140	140	Currently NTPC is not involved in Maharashtra
2.		2	1971	140	140	140	
3.	Paras	2	1967	58	62.5	60	
4.	Bhusawal	1	1968	58	62.5	60	
5.	Koradi	1	1974	115	120	120	
6.		2	1975	115	120	120	
7		3	1976	115	120	120	
8.		4	1976	115	120	120	

9. Parli 1 1971 30 30 30
10. 2 1972 30 30 30

R&M Works

1. Nasik 3 1979 210 210 48.47

2. 4 1980 210 210

3. 5 1981 210 210

4. Koradi 5 1978 200 200 54.35

5. 6 1982 210 210
6. 7 1983 210 210

7 Chandrapur 1 1983 210 210 62.21

8. 2 1984 210 210

9. 3 1985 210 210 Currently NTPC is not
10. 4 1986 210 210 involved in Maharashtra
11. 5 1991 500 500
12. 6 1992 500 500
13. Parli 3 1980 210 210 29.92
14. 4 1985 210 210
15. 5 1987 210 210
16. Khaperkheda 1 1989 210 210 6.47
17. 2 1990 210 210
18. Bhusawal 2 1979 210 210 24.03
19. 3 1992 210 210

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO.847 TO BE ANSWERED IN THE LOK SABHA ON 04.03.2005.

Sl. No.	Name of the Scheme	Unit No.	Year of Commissioning	Present Rated Capacity (MW)	Estimated Cost (Rs. in Crores)	Remarks
RENOVATION, MODERNISATION & UPRATING						
1	Tillari	1	1986	60	4.50	Scheme already Completed
2	Vaitarna	1	1976	60	7.00	
3	Koyna Dam PH	1	1980	18	20.00	
		2	1981	18		
RENOVATION & MODERNIZATION						

4	Bhira Tail Race	1	1988	40	1.60	Scheme already Completed
		2	1987	40		
5.	Koyna Gen. Complex (Stage I, II & III)	1	1962	70		Scheme already Completed
			12.00			
		2	1962	70		
		3	1963	70		
		4	1963	70		
		5	1967	80		
		6	1966	80		
		7	1966	80		
		8	1966	80		
		9	1975	80		
		10	1975	80		
		11	1977	80		
		12	1978	80		
6.	Koya (Stage-I & II)	1	1988	40		
			88 (Incl. 25.00 swyd)			
		2	1987	40		
		1	1962	70		
		2	1962	70		
		3	1963	70		
		4	1963	70		
		5	1967	80		
		6	1966	80		
		7	1966	80		
		8	1966	80		
7.	Koyna (Stage-III)	9	1975	80	25.00	
		10	1975	80		
		11	1977	80		
		12	1978	80		